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CLAIMS

- 5 1. Drainage channel for surface drainage, in particular in the region of streets and other public areas, comprising
- an elongate molded body (10), in particular made of concrete polymer, with an upper surface (11) over which
10 vehicles can travel and which comprises inlet openings (20) that open into a channel compartment (30),
- side walls (12, 13) and a floor (14), and
- 15 end faces (15, 16) to which can be connected additional drainage channels, catch pits or similar drainage installations,
- such that the channel compartment (30) comprises adjoining
20 boundary surfaces, in particular a ceiling boundary surface (31) nearest the upper surface (11), side boundary surfaces (32, 33) and a base boundary surface (34),
- characterized in that
- 25 at least one side boundary surface (32, 33) and the base boundary surface (34) or the ceiling boundary surface (31) are constructed to produce conical tapering of the channel compartment (30) in the direction from one end face (15, 16) to the other.
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2. Drainage channel according to Claim 1, characterized in that the inlet openings (20) are constructed so as to taper conically from the upper surface (11) to the channel compartment (30).

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3. Drainage channel according to one of the preceding claims,
characterized in that at least on their marginal side the
inlet openings (20, 20') comprise edges (21, 21') that
extend substantially linearly in the long direction of the
channel.
4. Drainage channel according to Claim 1,
characterized in that lateral inlet openings (23) are
provided in the side walls (12, 13), which open into the
inlet openings (20, 20') on the marginal side.
5. Drainage channel according to Claim 4,
characterized in that lateral inlet openings (23) are
constructed so as to taper toward the channel compartment
(30).
6. Drainage channel according to one of the preceding claims,
characterized in that at the end faces (15, 16) sealing
junctions (17) are provided that can be filled with sealing
material (18).
7. Drainage channel according to one of the preceding claims,
in particular according to Claim 6,
characterized in that at the end faces (15, 16) there are
provided end-face inlet openings (25, 25') that open into
said end faces.
8. Drainage channel according to Claim 7,
characterized in that the end-face inlet openings (25, 25')
are constructed so that the sealing junctions (17) can be
accessed by an injection tool for injecting the sealing
material (18) and/or are accessible for observing this
procedure.

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9. Drainage channel according to one of the preceding claims, characterized in that the ceiling boundary surface (31) is provided with a reinforcing or filter fabric or similar sheet of material (27).
- 5 10. Drainage channel according to one of the preceding claims, characterized in that the upper surface (11) comprises elevated sections (19, 19') at its edge.
- 10 11. Drainage channel according to Claim 10, characterized in that the elevated sections are constructed as continuous marginal strips (19, 19') outside the inlet openings (20, 20'; 25).
12. Apparatus for manufacturing a drainage channel, comprising
- 15 a molding box (40) that comprises at least a floor (41) and side walls (45, 46);
- at least one core (42) that can be pulled out of the molding box (40) and is used to form a channel compartment, the cross section of which tapers conically along its long
- 20 direction, and
- a set of cores (44) to form inlet openings, which are constructed to taper conically as they extend from the floor (41) to the core (42).
- 25 13. Apparatus according to Claim 12, characterized in that the core (42) comprises a planar lower surface (43) that extends parallel to the floor (41).
14. Apparatus according to one of the claims 11 or 12, characterized in that the set of cores (44) is fixedly
- 30 attached to the floor (41).

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15. Apparatus according to one of the claims 12-14,
characterized in that at least some of the cores (44)
provided to form inlet openings comprise in their interior
movable press-out rods, which can be moved so that after
5 the drainage channel has partially hardened, the press-out
rods can be used lift it away from the cores (44).